gate MOSFET devices.

		1. A memory array with byte-alterable capability comprising:
		a select gate metal oxide semiconductor field effect transistor,
	5	MOSFET device, and
107		a split-gate memory cell device whose source is connected to the
		drain of said select gate MOSFET device.
107	10	2. The memory array with byte-alterable capability of claim 1 further comprising:
		bit lines which are tied to the drains of said split-gate memory
		cell.
WZ	15	3. The memory array with byte-alterable capability of claim 1 further comprising:
		source lines which are tied to the sources of said select gate
		MOSFET devices.
102	20	4. The memory array with byte-alterable capability of claim 1 further comprising:
		word lines which are tied to control gates of said split-gate memory
		cell.
107	25	5. The memory array with byte-alterable capability of claim 1 further comprising:
		select lines which are tied to select gates of said select

102

6. The memory array with byte-alterable capability of claim 1 wherein said control gate MOSFET contains a floating gate which is insulated from said control gate by a dielectric insulating material such as silicon dioxide.

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-10 CD

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7. The memory array with byte-alterable capability of claim 6 wherein said split-gate memory cell contains a source region which is also the drain for said select gate MOSFET device.

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8. The memory array with byte-alterable capability of claim 6 wherein said control gate MOSFET contains a drain region.

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9. The memory array with byte-alterable capability of claim 6 wherein said control gate MOSFET contains a control gate which is insulated from said floating gate by a dielectric insulating material such as silicon dioxide.

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10. The memory array with byte-alterable capability of claim 6 wherein said control gate contained in the control gate MOSFET device is insulated from said drain of said control gate MOSFET device by a dielectric insulating material.

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11. The memory array with byte-alterable capability of claim 1 wherein said

select gate MOSFET contains a select gate which is insulated from said select
gate drain region and said select gate source region by a dielectric insulating
material.

102

12. The memory array with byte-alterable capability of claim 1 wherein said bits of said bytes have a common source line.

cf. 5, l.42

13. The memory array with byte-alterable capability of claim 1 wherein said source lines common to said bytes have a high voltage applied to inhibit erase of said cells of said unselected bytes.

col,5, l.30

- 14. The memory array with byte-alterable capability of claim 1 wherein said source lines common to said bytes have a low voltage applied to enable an erase of said cells of said unselected bytes.
- 15. The memory array with byte-alterable capability of claim 1 wherein the erasure of selected bytes requires a high voltage on said select gates.

- 16. The memory array with byte-alterable capability of claim 1 wherein the erasure of selected bytes requires a high voltage on said control gates.
- 17. The memory array with byte-alterable capability of claim 1 wherein the
   20 programming of selected cells of said selected bytes require high voltage on said select gate, a lower voltage on said control gate and a high voltage on said source line.

18. The memory array with byte-alterable capability of claim 1 wherein said word lines common to said bytes have a zero voltage applied to inhibit programming of unselected cells.

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- 19. A method of producing a memory array with byte-alterable capability comprising the steps of:
- including a select gate metal oxide semiconductor field effect transistor, MOSFET device, and

including a split-gate memory cell whose source is connected to the drain of said select gate MOSFET device.

15 20. The method of producing a memory array with byte-alterable capability of claim 19 further comprising the step of:

including bit lines which are tied to the drains of said control gate MOSFET devices.

21. The method of producing a memory array with byte-alterable capability of claim 19 further comprising the step of:

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including source lines which are tied to the sources of said select gate MOSFET devices.

- 22. The method of producing a memory array with byte-alterable capability of claim 19 further comprising the step of:
- 5 including word lines which are tied to control gates of said control gate MOSFET devices.
- 23. The method of producing a memory array with byte-alterable capability of10 claim 19 further comprising the step of:

select lines which are tied to select gates of said select gate MOSFET devices.

15 24. The method of producing a memory array with byte-alterable capability of claim 19 wherein said control gate MOSFET contains a floating gate which is insulated from said control gate by a dielectric insulating material such as silicon dioxide.

- 25. The method of producing a memory array with byte-alterable capability of claim 24 wherein said control gate MOSFET contains a source region which is also the drain for said select gate MOSFET device.
- 25 26. The method of producing a memory array with byte-alterable capability of claim 24 wherein said control gate MOSFET contains a drain region.

27. The method of producing a memory array with byte-alterable capability of claim 24 wherein said control gate MOSFET contains a control gate which is insulated from said floating gate by a dielectric insulating material such as silicon dioxide.

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28. The method of producing a memory array with byte-alterable capability of claim 24 wherein said control gate contained in the control gate MOSFET device is insulated from said drain of said control gate MOSFET device by a dielectric insulating material.

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29. The method of producing a memory array with byte-alterable capability of claim 19 wherein said select gate MOSFET contains a select gate which is insulated from said select gate drain region and said select gate source region by a dielectric insulating material.

- 30. The method of producing a memory array with byte-alterable capability of claim 19 wherein said bits of said bytes have a common source line.
- 31. The method of producing a memory array with byte-alterable capability of
   claim 19 wherein said source lines common to said bytes have a high voltage
   applied to inhibit erase of said cells of said unselected bytes.

- 32. The method of producing a memory array with byte-alterable capability of claim 19 wherein said source lines common to said bytes have a low voltage applied to enable an erase of said cells of said unselected bytes.
- 33. The method of producing a memory array with byte-alterable capability of claim 19 wherein the erasure of selected bytes requires a high voltage on said select gates.
- 34. The method of producing a memory array with byte-alterable capability of10 claim 19 wherein the erasure of selected bytes requires a high voltage on said control gates.
  - 35. The method of producing a memory array with byte-alterable capability of claim 19 wherein the programming of selected cells of said selected bytes require high voltage on said select gate, a lower voltage on said control gate and a high voltage on said source line.
- 36. The method of producing a memory array with byte-alterable capability of claim 19 wherein said word lines common to said bytes have a zero voltage
  applied to inhibit programming of unselected cells.